

ABSTRACT

A system and method for reducing reflections in a transmission line and for recovering energy from the load in the transmission during the process. At least three drive signal levels are utilized. The transition from the second level to the third level during a rising transition and the transition from the second level to the first level during a falling transition is timed to coincide with the arrival of the reflected signal from the immediately-preceding transition. A capacitor is advantageously used as the source for the intermediate drive signal levels and advantageously facilitates energy recovery and conservation.